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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Srinivasan

Application No. 10/620,744

Filed: July 15, 2003

Confirmation No. 8976

For:

IMPROVEMENTS TO THE SPATIAL-

DOMAIN LAPPED TRANSFORM IN

DIGITAL MEDIA COMPRESSION

Examiner: To be assigned

Art Unit: 2631

Attorney Reference No. 3382-64473-01

CERTIFICATE OF MAILING

I hereby certify that this paper and the documents referred to as being attached or enclosed herewith are being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450 on the date shown below.

for Applicant

Date Mailed February 4, 2005

INFORMATION DISCLOSURE STATEMENT PURSUANT TO 37 C.F.R. § 1.97(b)(3)

COMMISSIONER FOR PATENTS P.O. BOX 1450 ALEXANDRIA, VA 22313-1450

Listed on the accompanying form PTO-1449 and enclosed herewith are several Englishlanguage documents. Applicant respectfully requests that these documents be listed as references cited on the issued patent.

If the present application was filed after June 30, 2003, copies of United States patents and United States published patent applications do not have to be provided to the Patent Office. This requirement of 37 C.F.R. § 1.98(a)(2)(i) has been waived by the United States Patent and Trademark Office pursuant to the Official Gazette Notice on August 5, 2003 (1276 OG 55). Applicant will provide copies of such patents upon request.

Applicant filed this Information Disclosure Statement ("IDS") before the mailing date of a first Office action on the merits. As a result, no fee should be required to file this IDS.

However, if the Patent Office determines that a fee is required for Applicant to file this IDS, please charge any such fees, or credit overpayment, to Deposit Account No. 02-4550. A duplicate copy of this Information Disclosure Statement is enclosed.

The filing of this IDS shall not be construed to be an admission that the information cited in the statement is, or is considered to be, prior art or otherwise material to patentability as defined in 37 C.F.R. §1.56.

Respectfully submitted,

KLARQUIST SPARKMAN, LLP

By

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	Attorney Docket Number	3382-64473-01
	Application Number	10/620,744
INFORMATION DISCLOSURE STATEMENT	Filing Date	July 15, 2003
BY APPLICANT	First Named Inventor	Srinivasan
	Art Unit	2631
	Examiner Name	To be assigned
Trac D. Tran, "Lapped Transform Conference on Information Science 21-23, 2001. INTERNATIONAL ORGANIZAT JTC1/SC29/WG11 N4668, "CODD 2002, Title: MPEG-4 Overview - (rob.koenen@m4if.org), available 4/mpeg-4.htm. "H.264 & IPTV Over DSL - Enab Intel/Envivio, May 15, 2004, avail http://www.envivio.com/images/p Trac D. Tran, Jie Liang, and Chen Post-Filtering," IEEE Transaction June 2003. K. R. Rao and J. Hwang, "Technic and Audio Coding," Englewood C H.W. Park and Y. L. Lee, "A post effects in low bit-rate moving pict Syst., Video Technol., Vol. 9, pp. J. Apostolopoulos and N. Jayant, video compression," IEEE Trans. 1999. T. D. Tran and C. Tu, "Lapped tra SPIE Applicat. Digital Image Pro 2001. Chengjie Tu and Trac D. Tran, "C Coefficients for Image Compressi No. 11, pp. 1271-1283, Novembe R. L. de Queiroz and T. D. Tran, Handbook on Transforms and Da Press, pp. 197-265, October 2000	via Time-Domain Pre- and Poes and Systems, The Johns House and Standards Picture of the Johns House and Standards for Image, Cliffs, NJ: Prentice-Hall, 1996. The processing method for reducing the coding," IEEE Trans. Circulate Coding, Vol. 8, pp. 1999. "Post-processing for very-low-Image Processing, Vol. 8, pp. 1999. "Post-processing for very-low-Image Processing, Vol. 8, pp. 1999. "Context-Based Entropy Coding for," IEEE Transactions On Inter 2002. "Lapped transforms for image at a Compression, edited by K."	st-Processing," 2001 pkins University, March Processing, "2001 pkins University, March Processing," March Stand AUDIO," March Rob Koenen pympeg/standards/mpeg- Portunities," White Paper, ia Time-Domain Pre- and It, No. 6, pp. 1557-71, Video, Processing, August Processing, August Standards of Block Transform Processing, Vol. 11, compression," The

EXAMINER	DATE
SIGNATURE:	CONSIDERED:

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BY APPLICANT

3382-64473-01 10/620,744 July 15, 2003 Srinivasan 2631			
		To be assigned	

U.S. PATENT DOCUMENTS

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Examiner's	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
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		US 2003-0206582	Nov. 6, 2003	Srinivasan
		6,728,315	April 27, 2004	Haskell et al.
		6,771,828	March 3, 2000	Malvar
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FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner's	Cite No.	Country	Number	Publication Date	Applicant of Tuesday	
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Initials	 	H. S. Malvar, "Signal Processing With Lapped Transforms," Norwood, MA: Artech				

House, , pp. 175-219, 264-273, 1992. DATE

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